

## The Delphion Integrated View

Get Now: ☒ PDF | [File History](#) | [Other choices](#)

Tools: Add to Work File: [Create new Work File](#)

View: Jump to:  Go to: [Derwent](#)

☐ [Email this to a friend](#)

? Title: **JP01119146A2: LOCAL AREA NETWORK OF CSMA/CD SYSTEM**

? Derwent Title: Local area network avoiding generation of collision - only station that received own address can resend data when collision is detected  
NoAbstract Dwg 1/3 [\[Derwent Record\]](#)

? Country: **JP Japan**

? Kind: **A**

? Inventor: **MURONO TAKAHIRO;**

? Assignee: **TOSHIBA CORP**  
[News, Profiles, Stocks and More about this company](#)

? Published / Filed: **1989-05-11 / 1987-10-31**

? Application Number: **JP1987000276016**

? IPC Code: **IPC-7: H04L 11/00;**

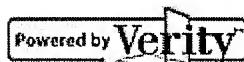
? Abstract: **PURPOSE:** To prevent collision at the time of re-transmission of data by enabling only a station receiving its own station address to perform the re-transmission of the data when the collision is detected.

**CONSTITUTION:** A priority order decided in advance is applied after the collision is generated, and a network access right is attached on a station with the highest priority order out of network media access controllers(NMAC)14-0 ~ 14-3 in stations detecting the collision in transmitting the data. And only the station on which the access right is attached can perform the re-transmission of the data. Thus, the re-transmission of the data (packet) after the collision being generated is limited to one station. In such a way, the regeneration of the collision of the data can be evaded, and an average data re-transmitting time can be shortened, and it is possible to prevent the transfer capability of the data due to the increment of the number of stations to be connected to a network from being lowered and to improve the throughput of the whole of the net work.

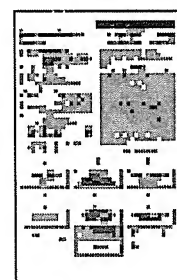
**COPYRIGHT:** (C)1989,JPO&Japio

? Family: **None**

? Other Abstract Info: **None**



[Nominate this for the Gallery...](#)



[View Image](#)

1 page